

Application No. 09/550,103
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In the Specification

Please amend p. 1, as follows:

CROSS REFERENCE TO RELATED APPLICATIONS

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This application is a divisional of U.S. Application No. 08/833,703 filed April 8, 1997, now U.S. Patent No. 6,080,549, entitled METHODS AND MATERIALS FOR THE DIAGNOSIS AND TREATMENT OF SCHIZOPHRENIA AND RELATED DISORDERS; the whole of which is hereby incorporated by reference herein.

In the Claims

Please amend claim 5, as follows:

5. A method of identifying a therapeutic process or agent for treating schizophrenia or a related neuropsychiatric disorder involving a dopamine D₄ receptor, said method comprising the steps of:

(a) establishing an assay system comprising a cultured cell line, said cultured cell line either naturally expressing D₄ receptors or transfected with the D₄ receptor gene;

(b) making an initial determination of the level of phospholipid methylation in cells of said cell line;

(c) administering to cells of said cell line the candidate therapeutic process or agent to be assessed;

(d) making a subsequent determination of the level of phospholipid methylation in cells of said cell line; and

(e) comparing the corresponding levels of phospholipid methylation from steps (b) and (d), wherein an increase in the level of phospholipid methylation subsequent to administration of the candidate therapeutic process or agent indicates that the